

Appl. No. 09/886,030
Examiner: Hewitt, James M, Art Unit 3679
In response to the Office Action dated July 30, 2003

Date: September 30, 2003
Attorney Docket No. 10111391

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-18 (cancelled)

Claim 19 (currently amended): An inflatable product, including:

- a first chamber;
- a first manually-controlled valve;
- an air pump for inflating the first chamber through the first manually-controlled valve;
- a first switch for activating the air pump and opening the first manually-controlled valve;

and

- a switch circuit through which the air pump is activated by the first switch, wherein the switch circuit has a second switch turned on by the first switch when the first switch is turned on, and a relay activated to supply the air pump with power when the second switch is turned on.

Claim 20 (previously presented): An inflatable product, including:

- a first chamber;
- a first valve;
- an air pump for inflating the first chamber through the first valve;
- a first switch for activating the air pump and opening the first valve; and
- a switch circuit through which the air pump is activated by the first switch, wherein the switch circuit has an air bulb and a pressure switch, the first switch is turned on to press the air bulb, and the pressure switch is turned on by the air bulb to activate the air pump when the air bulb is pressed by the first switch.

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Claim 21-28 (canceled)

Claim 29 (previously presented): The inflatable product as claimed in claim 19, wherein the second switch is a microswitch.

Claim 30 (currently amended): The inflatable product as claimed in claim 19, further comprising:

a second chamber;
a second manually-controlled valve through which the air pump inflates the second chamber; and
a third switch to activate the air pump and open the second manually-controlled valve, wherein the switch circuit has a fourth switch turned on by the third switch when the third switch is turned on, and the relay is activated to supply the air pump with power when the fourth switch is turned on.

Claim 31 (previously presented): The inflatable product as claimed in claim 30, wherein the fourth switch is a microswitch.

Claim 32 (previously presented): The inflatable product as claimed in claim 20, further comprising:

a second chamber;
a second valve through which the air pump inflates the second chamber; and
a second switch to activate the air pump and open the second valve, wherein the second switch is turned on to press the air bulb, and the pressure switch is turned on by the air bulb to activate the air pump when the air bulb is pressed by the second switch.

Claim 33 (previously presented): An inflatable product, including:

a first chamber;

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a first valve;
an air pump for inflating the first chamber through the first valve; and
a switch circuit through which the air pump is activated, wherein the switch circuit has an air bulb and a pressure switch, and the pressure switch is turned on by the air bulb to activate the air pump when the air bulb is pressed.

Claim 34 (previously presented): The inflatable product as claimed in claim 33, further comprising:

a second chamber; and
a second valve through which the air pump inflates the second chamber.

Claim 35 (new): An inflatable product, including:

a first chamber;
a first pack body
a first valve disposed in the first pack body;
an air pump for inflating the first chamber through the first valve;
a first switch, disposed on the first pack body, for activating the air pump and opening the first valve; and
a switch circuit through which the air pump is activated by the first switch, wherein the switch circuit has a second switch turned on by the first switch when the first switch is turned on.

Claim 36 (new): The inflatable product as claimed in claim 35, wherein the second switch is a microswitch.

Claim 37 (new): The inflatable product as claimed in claim 35, wherein the second switch is disposed in the first pack body.

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Claim 38 (new): The inflatable product as claimed in claim 35, wherein the switch circuit has a relay activated to supply the air pump with power when the second switch is turned on.

Claim 39 (new) The inflatable product as claimed in claim 35, further comprising:

- a second chamber;
- a second valve, disposed in the first pack body, through which the air pump inflates the second chamber; and
- a third switch, disposed on the first pack body, to activate the air pump and open the second valve, wherein the switch circuit has a fourth switch turned on by the third switch when the third switch is turned on.

Claim 40 (new): The inflatable product as claimed in claim 39, wherein the fourth switch is a microswitch.

Claim 41 (new): The inflatable product as claimed in claim 39, wherein the fourth switch is disposed in the first pack body.

Claim 42 (new): The inflatable product as claimed in claim 39, wherein the switch circuit has a relay activated to supply the air pump with power when the fourth switch is turned on.

Claim 43 (new): The inflatable product as claimed in claim 35, further comprising:

- a second chamber;
- a second pack body;
- a second valve, disposed in the second pack body, through which the air pump inflates the second chamber; and

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a third switch, disposed on the second pack body, to activate the air pump and open the second valve, wherein the switch circuit has a fourth switch turned on by the third switch when the third switch is turned on

Claim 44 (new): The inflatable product as claimed in claim 43, wherein the fourth switch is a microswitch.

Claim 45 (new): The inflatable product as claimed in claim 43, wherein the fourth switch is disposed in the second pack body.

Claim 46 (new): The inflatable product as claimed in claim 43, wherein the switch circuit has a relay activated to supply the air pump with power when the fourth switch is turned on.